

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-14 (Canceled).

15 (Previously Presented): An image pickup apparatus for picking up an image of a target object in divisions as a plurality of partial images which overlap by a predetermined quantity, comprising:

a field angle setting unit configured to set a field angle with which the target object is to be picked up;

a display unit configured to display an image;

a partial image generating unit configured to generate the partial images to be displayed on said display unit by dividing a full image of the target image which is picked up with a predetermined field angle set by said field angle setting unit into predetermined sizes using the predetermined field angle and information related to an overlap of the partial images after the predetermined field angle is set by said field angle setting unit;

a setting unit configured to automatically set the field angle with which the partial images are to be picked up to the predetermined field angle;

a resolution specifying unit configured to specify a resolution;

a measuring sensor configured to measure a distance to the target object; and

a calculating unit configured to calculate the predetermined field angle from the resolution specified by said resolution specifying unit and the distance measured by said measuring sensor.

16 (Previously Presented): An image pickup apparatus for picking up an image of a target object in divisions as a plurality of partial images which overlap by a predetermined quantity, comprising:

- a field angle setting unit configured to set a field angle with which the target object is to be picked up;

- a display unit configured to display an image;

- a partial image generating unit configured to generate the partial images to be displayed on said display unit by dividing a full image of the target image which is picked up with a predetermined field angle set by said field angle setting unit into predetermined sizes using the predetermined field angle and information related to an overlap of the partial images after the predetermined field angle is set by said field angle setting unit;

- a setting unit configured to automatically set the field angle with which the partial images are to be picked up to the predetermined field angle;

- an object size specifying unit configured to specify a size of the target object;

- a resolution setting unit configured to specify or store a resolution; and

- a calculating unit configured to calculate the predetermined field angle from the size of the target object specified by the object size specifying unit and the resolution set by said resolution setting unit.

17 (Currently Amended): The image pickup apparatus as claimed in claim [[14]] 15, further comprising:

- a division number specifying unit configured to specify a number of divisions of a full image of the target object; and

- a calculating unit configured to calculate the predetermined field angle from the number of divisions specified by said division number specifying unit.

18 (Currently Amended): The image pickup apparatus as claimed in claim [[12]] 15, wherein said display unit is configured to simultaneously displays a divided image and an image presently being picked up in an overlapping manner.

19 (Currently Amended): The image pickup apparatus as claimed in claim [[12]] 15, wherein said display unit is configured to simultaneously displays a divided image and an image presently being picked up at different positions.

20 (Currently Amended): The image pickup apparatus as claimed in claim [[12]] 15, wherein said display unit is configured to time-divisionally displays a divided image and an image presently being picked up at the same position.

21 (Currently Amended): The image pickup apparatus as claimed in claim [[12]] 15, further comprising:

a switch unit configured to switch a display on the display unit to one of a divided image and an image presently being picked up.

22 (Currently Amended): The image pickup apparatus as claimed in claim [[12]] 15, further comprising:

a partial image selecting unit configured to select a divided image.

23 (Currently Amended): The image pickup apparatus as claimed in claim [[12]] 15, further comprising:

an interrupt unit configured to interrupt image pickup of the partial images and

returning the image pickup apparatus to a predetermined state.

24 (Currently Amended): The image pickup apparatus as claimed in claim ~~[[12]]~~ 15,
further comprising:

a generating unit configured to generate a combined image by combining the partial
images.

25 (Canceled).

26 (Canceled).